

### Term 1



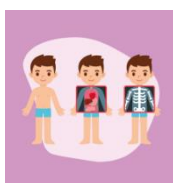
#### Feel the Force

3 weeks

*Science, Design, Technology and innovation, International*

We will be learning about forces and how they push and pull us along. We will need to be scientists to investigate different kinds of forces and learn how to measure them. Without forces nothing on Earth or in the wider Universe would start moving or once started they wouldn't stop! How do we know forces are always in action? What can we see and feel that shows us forces are at work?

### Term 2



#### How Humans Work

6 weeks

*Science, Health and Well-being, PE, International*

We will be learning about the different functions of the human body, including how we see, hear, digest, breathe and move. We will also investigate how to maintain a healthy lifestyle, and the effects of diet and exercise on the body. We will need to be scientists, nutritionists and sports instructors in order to gain a deep understanding of how humans work. Have you ever considered how your body works? And what does it really mean to be healthy?

### Term 3

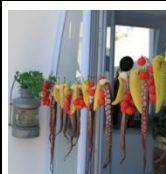


#### Let's Plant it!

3 weeks

*Science, Design, Technology and Innovation, Geography, Health and Well-being, International*

In this unit we will need to be 'botanists', a special kind of scientist who studies plants. We will be learning all about plants and how they grow. Plants live all over the world and without plants humans and animals would not be able to live.



#### What's on the menu?

6 weeks

*Geography, International, Health and Well-being, Design, Technology and Innovation, Science,*  
**(This to be a condensed unit to cover the Cooking and Nutrition element of the NC)**

Food is essential. It gives us energy for life – but how much do we know about how food is produced and prepared? How is it packaged and how far does it travel before reaching our plates? What about food waste? What food is healthy for us and for our planet? Let's investigate!

# YEAR 4

## Term 1



### **Making Waves**

3 weeks

*Science, International, Health and Well-being, Music*

Sound and light are all around us – from the sound of thunder and the flash of lightning in a storm, to a mobile phone ringing and flashing when someone calls us. We are surrounded by lights and sounds. But what is sound? How are sounds made? How do we see and hear? And why do we see lightning before we hear the thunder? We will need to be scientists, musicians and designers to find out all about light and sound waves!

## Term 2



### **Land, Sea and Sky**

6 weeks

*Geography, Science, International*

In this unit we will be learning about plants and animals, and how they can adapt to living almost anywhere on Earth. Our planet has a number of different habitats, each with their unique climate and geology. As geographers, in this unit, we will find out about how water, soil and rock can change the environment or be changed by natural forces such as water. We will need to be scientists to examine how different organisms have adapted to survive on land, in the sea and in the sky. In International we will be looking at what we can do to help in preserving living things. In this unit we will ask exciting questions such as: How do plants and animals adapt to water habitats? How do animals and plants depend on each other for survival and how can human actions support or upset this delicate balance?

## Term 3

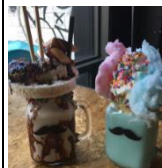


### **Bright Sparks**

3 weeks

*Science, Design, Technology and Innovation, Geography, International, Health and Well-being*

We will be learning about electricity and its importance on our daily lives. Can you imagine how your life would be without electricity? As scientists we will investigate how electricity flows through wires and how switches work. Do you know that there are materials that don't allow electricity to pass through them? We will also find out how electricity is produced in our countries and explore ways to save electricity.



### **Shake it!**

3 weeks

*Science, International, Design, Technology and Innovation, Health and Well-being*

We will be learning about solids, liquids and gases and how things can change state. We will need to be scientists to investigate the chemistry of some cooking and preparation processes. We will use our knowledge to make butter, cheese, and milkshakes. What has cooking got to do with science? Do you have any idea of how to make butter?

